中国认可 国际互认 检测 TESTING CNAS L4595

RADIO TEST REPORT

For

Lumi United Technology Co.,Ltd.

Aqara Ceiling Light T1M

Test Model: CL-L02D

Prepared for	:	Lumi United Technology Co.,Ltd.
Address	:	Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com

Date of receipt of test sample	:	August 02, 2023
Number of tested samples	:	2
Serial number	:	Prototype
Date of Test	:	August 02, 2023 ~ August 10, 2023
Date of Report	:	August 11, 2023

RADIO TEST REPORT
AS/NZS 4268:2017 Amd 1:2021
Radio equipment and systems- Short range devices- Limits and methods of measurement

Report Reference No.	**:**	**LCSA070423136EA**
Date of Issue	:	August 11, 2023
Testing Laboratory Name	**:**	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Testing Location/ Procedure....	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	**:**	**Lumi United Technology Co.,Ltd.**
Address	:	Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen
Test Specification		
Standard.....	:	AS/NZS 4268:2017 Amd 1:2021
Test Report Form No.	:	LCSEMC-1.0
TRF Originator.....	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	:	Dated 2011-03

Test Item Description.....	**:**	**Aqara Ceiling Light T1M**
Trade Mark.....	:	N/A
Test Model.....	:	CL-L02D
Ratings	:	Input: 100-240V~, 50/60Hz, 40W
Result	**:**	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Vera Deng/ Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

RADIO -- TEST REPORT

Test Report No. : LCSA070423136EA	August 11, 2023 Date of issue

Test Model.....	:	CL-L02D
EUT.....	:	Aqara Ceiling Light T1M
Applicant.....	**:**	**Lumi United Technology Co.,Ltd.**
Address.....	:	Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	**Lumi United Technology Co.,Ltd.**
Address.....	:	Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen
Telephone.....	:	/
Fax.....	:	/
Factory.....	**:**	**Arising Technology Co.,Ltd**
Address.....	:	RM501, Building 3, Shunde Zhifuyuan, No. 8, Erhuan Road, Gaozan Village, Xingtan Town, Shunde District, Foshan City, P.R.C.
Telephone.....	:	/
Fax.....	:	/

Test Result:	**Positive**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Revision	Issue Date	Revisions	Revised By
000	August 11, 2023	Initial Issue	--

TABLE OF CONTENTS

1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT	:	Aqara Ceiling Light T1M
Test Model	:	CL-L02D
Power Supply	:	Input: 100-240V~, 50/60Hz, 40W
Hardware Version	:	/
Software Version	:	/
Zigbee	:	
Frequency Range	:	2405-2480MHz
Channel Spacing	:	5MHz
Channel Number	:	16 Channels
Modulation Type	:	O-QPSK
Antenna Description	:	FPC Antenna, 3.0dBi(Max.)

1.2. Objective

This Type approval report is prepared on behalf of **Lumi United Technology Co.,Ltd.** in accordance with AS/NZS 4268:2017 Amd 1:2021, Radio equipment and systems- Short range devices- Limits and methods of measurement
The objective is to determine compliance with AS/NZS 4268:2017 Amd 1:2021.

1.3. Related Submittal(s)/Grant(s)

No Related Submittals.

1.4. Test Methodology

All measurements contained in this report were conducted with AS/NZS 4268:2017 Amd 1:2021.

1.5. Facilities

All measurement facilities used to collect the measurement data are located at Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

1.6. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
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1.7. External I/O

I/O Port Description	Quantity	Cable
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1.8. Laboratory Accreditations And Listings

Site Description

EMC Lab. : NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.

1.9. Measurement Uncertainty(95% confidence levels, k=2)

Test Item		Uncertainty
Radio Frequency	:	0.9×10^{-4}
Total RF Power, Conducted	:	1.0 dB
RF Power Density, Conducted	:	1.8 dB
Spurious Emissions, Conducted	:	1.8 dB
All Emissions, Radiated	:	3.1 dB
Temperature	:	0.5°C
Humidity	:	1 %
DC And Low Frequency Voltages	:	1 %

1.10. Description of Test Modes

Test Mode
Mode 1: Transmit by ZigBee
Mode 2: Receive by ZigBee

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.

After verification, all tests were carried out with the worst case test modes as shown below:

2. SYSTEM TEST CONFIGURATION

2.1. Justification

The system was configured for testing in engineering mode.

2.2. EUT Exercise Software

N/A.

2.3. Special Accessories

N/A.

2.4. Block Diagram/Schematics

Please refer to the related document.

2.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

2.6. Configuration of Test Setup

Please refer to the test setup photo.

3. SUMMARY OF TEST RESULTS AS/NZS 4268:2017 Amd 1:2021

RULES	DESCRIPTION OF TEST	RESULT
Clause 6.3	Maximum EIRP	Compliant
Clause 6.4	Transmitter spurious emissions	Compliant
Clause 6.5 & Clause 6.6	Emission Bandwidth & Operating frequencies	Compliant
Clause 7.2	Receiver spurious emissions	Compliant
Table 1, Note 2	Maximum e.i.r.p. spectral density	Compliant

4. SUMMARY OF TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	X-series USB Peak and Average Power Sensor Agilent	Agilent	U2021XA	MY54080022	2022-10-21	2023-10-20
2	4 CH. Simultaneous Sampling 14 Bits 2MS/s	Agilent	U2531A	MY54080016	2022-10-21	2023-10-20
3	Test Software	Ascentest	AT890-SW	20160630	N/A	N/A
4	RF Control Unit	Ascentest	AT890-RFB	N/A	2023-06-15	2024-06-14
5	MXA Signal Analyzer	Agilent	N9020A	MY49061051	2023-06-15	2024-06-14
6	DC Power Supply	Agilent	E3642A	N/A	2022-10-29	2023-10-28
7	MXG Vector Signal Generator	Agilent	N5182A	MY47071151	2023-06-15	2024-06-14
8	ESG Vector Signal Generator	Agilent	E4438C	MY49072627(3G)	2023-06-15	2024-06-14
9	PSG Analog Signal Generator	Agilent	E8257D	MY4520521	2023-06-15	2024-06-14
10	Temperature & Humidity Chamber	GUANGZHOU GOGNWEN	GDS-100	70932	2022-10-06	2023-10-05
11	EMI Test Software	Farad	EZ	/	N/A	N/A
12	3m Full Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2021-09-25	2024-09-24
13	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
14	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2021-08-29	2024-08-28
15	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2021-09-12	2024-09-11
16	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2021-08-29	2024-08-28
18	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2023-06-15	2024-06-14
19	EMI Test Receiver	R&S	ESR7	101181	2023-06-15	2024-06-14
20	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2022-10-29	2023-10-28
21	Broadband Preamplifier	/	BP-01M18G	P190501	2023-06-15	2024-06-14
22	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2023-06-15	2024-06-14
23	6dB Attenuator	/	100W/6dB	1172040	2023-06-15	2024-06-14
24	3dB Attenuator	/	2N-3dB	/	2022-10-29	2023-10-28

5. AS/NZS 4268:2017 Amd 1:2021 Clause 6.3 –Equivalent isotropic radiated power

5.1. Applicable Standard

According to AS/NZS 4268:2017 Amd 1:2021 Clause 6.3, the equivalent isotropic radiated power shall be equal to or less than 36dBm (4W) e.i.r.p. This limit shall apply for any combination of power level and intended antenna assembly.

5.2. Test Procedure

1. The output of the transmitter shall be connected to the spectrum analyzer;
2. Set the Spectrum Analyzer as below: RBW=VBW=1MHz, Span=0Hz, Detector=Peak; read out the duty cycle(X) of the transmitter;
3. Adjust the test Freqeuncy in spectrum analyzer, use the channel power function of Spectrum Analyzer, and the the spectrum analyzer was setted as below: RBW=VBW=1MHz, Detector=average, read out the average output power A;
4. The E.I.R.P. shall be calculated from the above measured power output A, the observed duty cycle x, cable loss, and the applicable antenna assembly gain "G" in dBi, according to the formula:
   P = A + G + Cable loss + 10 log (1/x);
5. Repeated the test in extreme test conditions.

5.3. Test Data

Environmental Conditions

Temperature/ Humidity:	24.5℃/ 54.3%	ATM Pressure:	100.9 kPa
Operator:	Joker Hu		

Test Conditions		Frequency (MHz)	RF Output Power EIRP (dBm)	Limit (dBm)
TN	VN	2405	-1.22	36
		2440	-1.25	
		2480	-0.89	
TH	VH	2405	-1.28	36
		2440	-1.34	
		2480	-0.93	
TL	VL	2405	-1.36	36
		2440	-1.39	
		2480	-1.07	

Note: Only record the worst result. 20 bursts had been captured for power measurement.

6. AS/NZS 4268:2017 Amd 1:2021 Clause 6.5, 6.6 - Emission Bandwidth

6.1. Applicable Standard

According to AS/NZS 4268:2017 Amd 1:2021 Clause 6.5&6.6 The upper and lower frequency limits of the emission bandwidth shall at all times remain within the operating frequency limits given in table 1.

6.2. Test Procedure

A spectrum analyser or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output. The frequencies of the upper and lower markers indicating the edges of the transmitters '99% power' emission bandwidth shall be recorded. The emission bandwidth shall then be calculated. When making a measurement of the emission bandwidth:

(a) An r.m.s. detector function shall be used. The measurement bandwidth used shall be stated with the result. The r.m.s. detector used shall comply with AS/NZS CISPR 16.1.

(b) A measurement instrument with an integrated 99% power bandwidth function may be used to automate the test process.

(c) The measurement instrument bandwidth and span shall be set sufficiently wide, and the scan time set sufficiently long, to ensure all major modulation products are captured.

NOTE: The measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.

(d) 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

NOTES:
1. For non-speech analogue equipment refer to Clause 4.5 regarding the test signal.
2. Telecommand or telemetry transmissions should have the transmission enabled for at least 3 s so that all sidebands and modulation products may be observed.
3. Alternative test methods may be required for pulse modulated transmitters (e.g. radar), spread spectrum and more complex digital modulation types.

6.3. Test Data

Environmental Conditions

Temperature/ Humidity:	24.5℃/ 54.3%	ATM Pressure:	100.9 kPa
Operator:	Joker Hu		

Test Conditions		Frequency (MHz) at -30dBm/100KHz	
Temperature	Voltage	fL at Low Channel >2400MHz	fH at High Channel (<2483.5MHz)
TL	VL	2401.22	2480.29
	VN	2400.96	2480.21
	VH	2401.23	2480.34
TN	VL	2401.14	2480.31
	VN	2401.08	2480.28
	VH	2401.11	2480.43
TH	VL	2401.09	2480.40
	VN	2401.00	2480.34
	VH	2400.99	2480.33

Test Result: Pass

7. AS/NZS 4268:2017 Amd 1:2021 Maximum E.I.R.P. spectral density

7.1. Applicable Standard

According to AS/NZS 4268 Table 1, Note 2 the radiated peak power spectral density in any 3 kHz is limited to 25 mW per 3 kHz..

7.2. Test Procedure

- The EUT shall be adjust to be continuous output, and with modulation signal, then connected to the spectrum analyzer.
- the settings of the spectrum analyzer shall be:
  - center frequency : equal to the signal source;
  - resolution BW: 3kHz
  - video BW: 3*RBW;
  - detector mode: positive peak;
  - averaging: off;
  - span: approximately 1.5 times of the 99% OBW;
  - amplitude: adjust for middle of the instrument’s range.
  - Record the highest peak value

7.3. Test Data

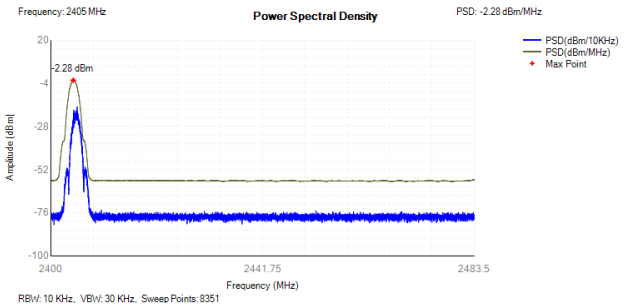
Environmental Conditions

Temperature/ Humidity:	24.5℃/ 54.3%	ATM Pressure:	100.9 kPa
Operator:	Joker Hu		

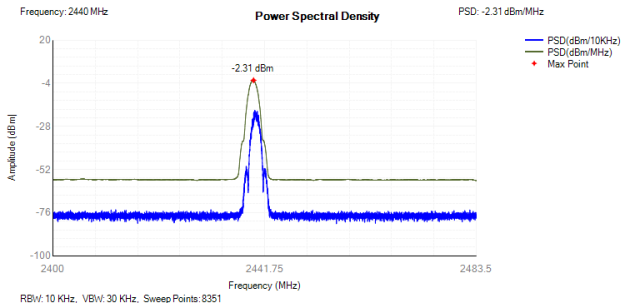
Test Result: Pass

Test Mode: Transmitting

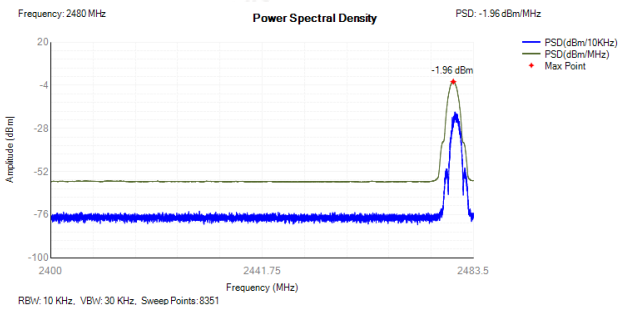
Test mode	Transmitting frequency (MHz)	Total Power Density (dBm/MHz)	Limit (dBm/MHz)
Zigbee	2405	-2.28	13.98
	2440	-2.31	13.98
	2480	-1.96	13.98



2405MHz



2440MHz



2480MHz

8. AS/NZS 4268:2017 Amd 1:2021 Clause 6.4 – TRANSMITTER SPURIOUS EMISSIONS

8.1. Applicable Standard

According to AS/NZS 4268:2017 Amd 1:2021 Clause 6.4, Transmitter spurious emissions are emissions outside the frequency range(s) of the equipment as defined in Clause 6.4 when the equipment is in Transmit mode and/or in Standby mode.

The spurious emissions of the transmitter shall not exceed the values in following EN 300328 V1.9.1.

8.2. Test Procedure

Below 1GHz test procedure:

1.On the test site as test setup graph above, the EUT shall be placed at the 1.5m support on the turntable and in the position closest to normal use as declared by the provider;

2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter. The output of the test antenna shall be connected to the measuring
Receiver;

3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test;

4. The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver;

5. Repeat step 4 for test frequency with the test antenna polarized horizontally;

6. Remove the transmitter and replace it with a substitution antenna (the antenna should be half-wavelength for each frequency involved). The center of the substitution antenna should be approximately at the same location as the center of the transmitter. At the lower frequencies, where the substitution antenna is very long, this will be impossible to achieve when the antenna is polarized vertically. In such case the lower end of the antenna should be 0.3 m above the ground;

7. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output;

8. Repeat step 7 with both antennas horizontally polarized for each test frequency;

9. Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and
further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna

gain (dBd)

where: Pg is the generator output power into the substitution antenna.

Above 1GHz test procedure:

Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber, and the test antenna do not need to raise from 1 to 4m, just test in 1.5m height. For measuring emissions that exceed the level of 6 dB below the applicable limit, the resolution bandwidth shall be switched to 30 kHz and the span shall be adjusted accordingly. If the level does not change by more than 2 dB, it is a narrowband emission; the observed value shall be recorded. If the level changes by more than 2 dB, the emission is a wideband emission

8.3. Test Data

Product	:	Aqara Ceiling Light T1M
Test Item	:	Transmitter Spurious Emissions (Radiated Measurement)
Env./ Ins	:	24.5℃/54.3%
ATM Pressure	:	100.9 kPa
Test Mode	:	Mode 1: Transmit by ZigBee
Test Engineer	:	Joker Hu

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 01 (2405MHz)					
31.91	H	-38.98	-36.00	-2.98	PK
83.44	V	-41.26	-36.00	-5.26	PK
544.68	H	-60.29	-54.00	-6.29	PK
903.31	V	-48.36	-36.00	-12.36	PK
4805.03	H	-42.09	-30.00	-12.09	PK
4806.14	V	-41.63	-30.00	-11.63	PK
7202.42	H	-44.59	-30.00	-14.59	PK
7203.53	V	-36.13	-30.00	-6.13	PK
Channel 16 (2480MHz)					
66.29	H	-65.06	-54.00	-11.06	PK
138.07	V	-43.13	-36.00	-7.13	PK
204.90	H	-65.16	-54.00	-11.16	PK
779.19	V	-61.70	-54.00	-7.70	PK
4960.93	H	-43.34	-30.00	-13.34	PK
4960.85	V	-40.35	-30.00	-10.35	PK
7442.15	H	-38.45	-30.00	-8.45	PK
7441.22	V	-40.12	-30.00	-10.12	PK

Product	:	Aqara Ceiling Light T1M
Test Item	:	Transmitter spurious emissions (Conducted Measurement)
Test Mode	:	Mode 1: Transmit by ZigBee

Frequency(MHz)	Measure Level(dBm)	Limit(dBm)	Margin(dB)	Detector
Channel 01 (2405MHz)				
44.15	-39.78	-36.00	-3.78	PK
253.09	-37.84	-36.00	-1.84	PK
4805.18	-40.81	-30.00	-10.81	PK
7202.02	-34.94	-30.00	-4.94	PK
Channel 16 (2480MHz)				
83.04	-39.82	-36.00	-3.82	PK
302.28	-48.89	-36.00	-12.89	PK
4963.25	-41.15	-30.00	-11.15	PK
7443.71	-39.27	-30.00	-9.27	PK

Note: All modulations of EUT have been tested and only record the worst data in the report.

9. AS/NZS 4268:2017 Amd 1:2021 Clause 7.2– RECEIVER SPURIOUS EMISSIONS

9.1. Applicable Standard

According to AS/NZS 4268:2017 Amd 1:2021 Clause 7.2, receiver spurious emissions are emissions at any frequency when the equipment is in received mode.

The spurious emissions of the receiver shall not exceed the values in following EN 300328 V1.9.1, Clause 8.4

9.2. Test Procedure

Below 1GHz test procedure:

1. On the test site as test setup graph above, the EUT shall be placed at the 1.5m support on the turntable and in the position closest to normal use as declared by the provider.
2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter. The output of the test antenna shall be connected to the measuring receiver.
3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test.
4. The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
5. Repeat step 4 for test frequency with the test antenna polarized horizontally.
6. Remove the transmitter and replace it with a substitution antenna (the antenna should be half-wavelength for each frequency involved). The center of the substitution antenna should be approximately at the same location as the center of the transmitter. At the lower frequencies, where the substitution antenna is very long, this will be impossible to achieve when the antenna is polarized vertically. In such case the lower end of the antenna should be 0.3 m above the ground.
7. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output.
8. Repeat step 7 with both antennas horizontally polarized for each test frequency.
9. Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and

further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)

where: Pg is the generator output power into the substitution antenna.

Above 1GHz test procedure:

Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic chamber, and the test antenna do not need to raise from 1 to 4m, just test in 1.5m height.

Remark:For measuring emissions that exceed the level of 6 dB below the applicable limit, the resolution bandwidth shall be switched to 30 kHz and the span shall be adjusted accordingly. If the level does not change by more than 2 dB, it is a narrowband emission; the observed value shall be recorded. If the level changes by more than 2 dB, the emission is a wideband emission

9.3. Test Data

Product	:	Aqara Ceiling Light T1M
Test Item	:	Receiver spurious emissions (Radiated Measurement)
Env./ Ins	:	24.5℃/54.3%
ATM Pressure	:	100.9 kPa
Test Mode	:	Mode 2: Receive by ZigBee
Test Engineer	:	Joker Hu

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 01 (2405MHz)					
265.96	H	-68.78	-57.00	-11.78	PK
128.10	V	-73.84	-57.00	-16.84	PK
556.32	H	-68.91	-57.00	-11.91	PK
887.67	V	-68.01	-57.00	-11.01	PK
1269.41	H	-65.57	-47.00	-18.57	PK
1004.75	V	-70.57	-47.00	-23.57	PK
2350.07	H	-68.72	-47.00	-21.72	PK
2330.69	V	-59.90	-47.00	-12.90	PK
Channel 16 (2480MHz)					
390.42	H	-68.74	-57.00	-11.74	PK
497.70	V	-73.87	-57.00	-16.87	PK
762.48	H	-68.87	-57.00	-11.87	PK
549.30	V	-68.00	-57.00	-11.00	PK
1146.22	H	-65.56	-47.00	-18.56	PK
1870.94	V	-70.56	-47.00	-23.56	PK
2554.29	H	-68.77	-47.00	-21.77	PK
2751.50	V	-59.88	-47.00	-12.88	PK

Product	:	Aqara Ceiling Light T1M
Test Item	:	Receiver spurious emissions (Conducted Measurement)
Test Mode	:	Mode 2: Receive by ZigBee

Frequency(MHz)	Measure Level(dBm)	Limit(dBm)	Margin(dB)	Detector
Channel 01 (2405MHz)				
303.70	-72.52	-57.00	-15.52	PK
778.66	-67.10	-57.00	-10.10	PK
1027.85	-65.36	-47.00	-18.36	PK
2003.39	-54.71	-47.00	-7.71	PK
Channel 16 (2480MHz)				
323.10	-69.25	-57.00	-12.25	PK
905.74	-69.11	-57.00	-12.11	PK
1681.55	-67.57	-47.00	-20.57	PK
322.99	-56.51	-47.00	-9.51	PK

Note: All modulations of EUT have been tested and only record the worst data in the report.

10. TEST SETUP PHOTOGRAPHS

Please refer to separated files Appendix A for Photographs of Test Setup_RF.

11. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Please refer to separated files Appendix B for Photographs of The EUT.

----------THE END OF REPORT----------